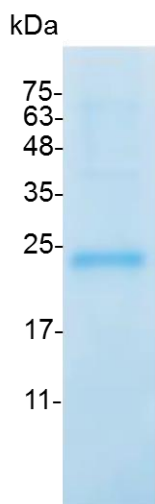


## PRODUCT INFORMATION

**LIF, Mouse**

<b>Catalog number</b>	C02059-5UG / C02059-20UG / C02059-100UG
<b>Package</b>	5 µg / 20 µg / 100 µg
<b>Description</b>	LIF, a pleiotrophic factor, is identified in multiple cell types, including T cells, myelomonocytic lineages, fibroblasts, liver, heart and melanoma. LIF is capable of promoting long-term maintenance of embryonic stem cells by inhibiting spontaneous differentiation. In addition, LIF also have abilities including stimulation of differentiation of cholinergic nerves, the stimulation of acute phase protein synthesis by hepatocytes, and suppression of adipogenesis by suppressing the lipoprotein lipase in adipocytes.
<b>Source</b>	<i>Escherichia coli</i>
<b>Sequence</b>	SPLPITPVNATCAIRHPCHGNLMNQIKNQLAQLNGSANALFISYYTAQGEPFPNN VEKLCAPNMDFPSFHGNGTEKTKLVELYRMVAYLSASLTNITRDQKVLNPTAV SLQVKLNATIDVMRGLLSNVLRCRCNKYRVGHVDVPPVPDHSKKEAFQRKCLG CQLLGTYKQVISVVVQAF with polyhistidine tag at the N-terminus
<b>Endotoxin level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Activity</b>	Measure by its ability to induce IL-6 secretion in M1 cells. The ED <sub>50</sub> for this effect is <0.5 ng/mL. The specific activity of recombinant mouse LIF is > 2 x 10 <sup>6</sup> IU/mg.
<b>Purity</b>	>95% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Formulation</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended to reconstitute the lyophilized protein in sterile H <sub>2</sub> O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Note</b>	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant mouse LIF

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